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A simple algorithm to generate the minimal separators and the maximal cliques of a chordal graph. (English) Zbl 1259.05158

Summary: We present a simple unified algorithmic process which uses either LexBFS or MCS on a chordal graph to generate the minimal separators and the maximal cliques in linear time in a single pass.

MSC:
05C85 Graph algorithms (graph-theoretic aspects)
05C69 Vertex subsets with special properties (dominating sets, independent sets, cliques, etc.)
05C35 Extremal problems in graph theory

Keywords:
graph algorithms; LexBFS; MCS; minimal separator; maximal clique; moplex ordering

Full Text: DOI HAL

References:

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